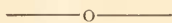


In the shallower portions of the lake are great beds of water-lilies, on whose leaves *Donacia* disport themselves in the sun, safe from the hands of that collector who is provided only with means of working from the shore. Here we found our boat a most valuable adjunct, though even with this means of approach the activity of the beetles made their capture a matter of difficulty. On account of their activity it was necessary for one of us to row while the other perched in the bow with a net ready to strike. The individuals taken were *D. proxima*. *D. emarginata* was common on sedges along the shore.

The Tenebrionidæ were, in the main, such as frequent or feed upon dead wood—for example, *Cælocnemis dilaticollis* and *Iphthimus serratus*, which occur on decaying pine in the same manner as *Nyctobates* infests deciduous trees in the East. However, *Eleodes nigrina* and *E. humeralis* were not uncommon in sandy spots, and several specimens of a *Coniotis* were also met with. *Scaphidema pictum* is coprophagous in habit, a large colony having been found in and under dung near the shore of the lake. They burrowed in the loose sand, much after the fashion of *Phaleria*.

Our departure was hastened by the breaking out of extensive and destructive forest fires, the smoke of which obscured the sun and rendered objects, situated more than a hundred yards or so, invisible. The pall of smoke reached all the way from Portland to Helena—though not equally dense at all points—and even when we left fires were eating out the edges of some of our best collecting grounds and threatening others which may be no longer in existence.



COLEOPTEROLOGICAL NOTES FROM MY BROTHER'S DIARY.

By EMIL C. EHRMANN, Pittsburg, Pa.

These notes are from my brother G. A. Ehrmann's note-book, and were made principally at Charleroi, Washington County, Pa. George is interested in Lepidoptera, and a younger brother, Albert, studies Ornithology, and the following notes are the result of their captures:

April 20.—Coleoptera plentiful, *Cyllene picta* in abundance on newly-cut hickory logs depositing eggs.

April 23.—*Cicindela sex-guttata* and *Phanæus carnifex* captured. *Lachnosterna* have appeared to-night in numbers.

April 25.—*Geotrupes splendens* and *semiopacus*, *Copris carolina*, *anaglypticus* and *minutus* were taken at Maple Creek.

April 26.—In moving a large stone from the base of an oak, *Quercus alba*, fifty-six specimens of *Helops micans* were brought to view and bottled.

April 27.—Have taken *Calosoma calidum* and *Chlænium tomentosus* on the McKean farm, and found *Elaphrus* and *Bembidium* by hundreds running over the sediment of the creek.

April 29.—South of Charleroi I found *Carabus vinctus* and several species of *Chlænium* very common.

May 5.—A fine specimen of *Toxotus vittiger* beat from a hickory.

May 6 to 28.—Have taken 171 specimens of *Toxotus cylindricollis* from young hickory.

May 29.—Caught a fine specimen of *Goes pulverulenta* while beating *Betula nigra*.

June 2.—Several specimens of *Arhopalus fulminans* were captured in beating *Carya porcia*.

June 3.—*Saperda tridentata* is found in numbers on the Elm and Acer.

June 7.—*Osmoderma scabra* and *cremicola*, *Merinus lævis* and some other good beetles in numbers found in a rotten log.

June 10.—Found *Bembidium postfasciatum* for the first time, in numbers, on the margin of Maple Creek.

June 12.—Captured *Cicindela sexguttata*, *purpurea*, *vulgaris* and *repanda* up from Lock No. 4.

June 13.—*Onthophagus janus* and *Canthon viridis* found in the stems of fungus.

June 14.—A successful day for Carabidæ; in fact, a red-letter day for ground beetles. *Dicælus ovalis*, *elongatus*, *politus* and *sculptilis*, *Apenes lucidula*, *Pterostichus vinctus*, *hamiltoni*, *honestus* and *mæstus*, *Patrobis longicornis* and three species of *Lebia* being a few of the many species taken.

June 15.—Captured a lovely specimen of *Saperda puncticollis* by beating poison-vine.

June 18.—In beating the Oaks *Dichelonycha elongata* was taken by hundreds, also several species of *Elater* and *Cerambycidæ*.

June 19.—A few common species of *Leptura* only were taken.

June 23.—*Prionus laticollis*, *Orthosoma brunnea*, *Saperda calcarata* and a few smaller beetles were taken to-day.

June 24.—*Copris carolina* is very common here, meeting with it on every trip.

June 25.—It seems that nature is all aglow, especially when an entomological collector finds the corpse of a cow inhabited by millions of Staphylinidæ, Silphidæ and Nitidulidæ.

September 6.—Since my last visit to Charleroi have taken quite a lot of *Lucanus dama* (all dead, yet perfect) at the roots of Oak trees; no doubt, after mating and depositing eggs, dying there.

September 12.—Golden-rod is beginning to bloom and find *Euphoria sepulchralis* and *Cyllene robinie* on it.

September 20.—*Leptostylus aculifera* and *Catogenus rufus* were taken under the bark of *Carya porcea* at East Charleroi, Westmoreland County.

October 3.—A fine female of *Sandalus niger* to-day while digging at the roots of *Quercus alba*; also a few specimens of *Leptostylus aculifera*.

October 6.—Several specimens of *Aphodius elongatus* were taken at the root of a Hickory.

October 17.—Collecting toward Bentlyville; took the first *Cychrus lecontei* of the season.

October 18.—On account of the humidity of the weather fungus is abundant, and several species of *Oxyporus* are infesting them; also *Ips fasciatus* in much variation, and *Ips sanguinipennis* and *obtusa*.

October 20.—Although raining collecting was continued, and a lot of *Cychrus lecontei* were captured, some in copula.

October 22.—Collected out the Bentlyville road and found *Penthe pimelia* and *obliquata*, and *Platycerus quercus* in numbers.

October 27.—At the north end of Maple Creek a well-decayed stump of *Betula alba* yielded 330 specimens of *Ischyryus 4-punctatus*.

November 1.—Found *Cucujus clavipes* and *Catogenus rufus* in numbers under bark of *Carya porcea* and *Acer rubrum*.

November 14.—Captured *Dicaelus purpuratus*, *Pterostichus purpuratus*, *Cymindis americana* and many other good species at East Charleroi.

November 17.—Found a number of the elytra of *Myas coracinus* and *Cychrus andrewsii*, but not a perfect specimen.

November 19.—Under a large rotten log, imbedded about eight inches in the ground, *Pinodytes hamiltoni* was taken in numbers, feeding upon the dead larva of *Elater* sp.? Nothing remained of the larva but the skin.

December 5.—A new *Platydemia* was taken under the bark of an Oak.

December 6.—In digging out the interior of a large, dead, standing maple trunk, 179 specimens of *Valgus squamiger* and six species of Elateridæ were taken.